

Patent 10/629,448

Amendment to the specification

In paragraph 0006 cancel the sentence:

[0006] Specifically, discovering functionally similar genes is an important aspect of drug discovery as well as disease diagnosis. Examples appear in U.S. Patent 6,436,642 issued August 20, 2002 and U.S. Patent 6,406,853 issued June 18, 2002. ~~These references are hereby incorporated by reference.~~ Current methods of discovering functional similarity in genes use only the intensity of expression. However, the intensity of gene expression can vary with time and follows a specific pattern. For example, progression through the eukaryotic cell cycle is known to be both regulated and accompanied by characteristic periodic fluctuations in the expression levels of numerous genes.

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